REMARKS

Claims 1-43 remain in this application. Claims 35-43 have been added. Claims 1, 6, 9-21, 26, and 29-34 have been amended.

Claims 1-34 presently remain rejected under 35 U.S.C. § 103(a) as being unpatentable over Callahan in view of Hartog. These rejections are respectively traversed.

In page 2 of the Advisory Action, the Examiner states:

> The request for reconsideration . . . does NOT place the application in condition for allowance because: Applicant claims the limitations have different computers but the claims do not disclose such feature. The claims only discloses a transmitter to a receiver. . . Hartog teaches a transmitter and a receiver.

Accordingly, based on the above suggestion on "such feature" that does place the application in condition for allowance, independent Claims 1, 11, 21, and 31-34 have been amended to include the limitations suggested by the Examiner.

Specifically, in order to expedite allowance, independent Claim 1 has been amended to now read:

> obtaining image data on a first computer;
>
> clipping said image data on said first computer to obtain clipped image data;
>
> transmitting said clipped image data from a transmitter on said first computer to a receiver on a second computer . . .

(emphasis in underline added). Accordingly, it is respectfully submitted that the rejection to Claim 1 is now deemed overcome. In addition, the above limitations are not disclosed or suggested in either Callahan or Hartog (whether alone or in combination) because both references are limited to "a single computer system." (See page 11, lines 15-17 of the disclosure on the background art and Applicant's final Office Action response dated November 5, 2001.)

Claims 2-10 depend (directly or indirectly) on Claim 1 and should be allowable for at least the reason of depending on an allowable base claim. Moreover, amended Claim 6 is independently allowable because neither Callahan nor Hartog (alone or in combination) discloses the limitations of:

> . . . wherein said image data comprises one or more subsampled chroma components, and wherein determining said nearest pixel further comprises:
>
> determining a set of pixels that each comprise samples from said one or more subsampled chroma components;
>
> determining said nearest pixel from said set of pixels

(emphasis in underline added). The support for amended Claim 6 can be at least found in the disclosure in page 19, lines 1-10.

Similarly, amended Claims 9 and 10 should each be independently patentable because Claim 9 recites "independently scaling up said plurality of image data to fill ... a display" and Claim 10 recites "scale factors that reduce scaling along a horizontal axis and increase scaling along a vertical axis." These limitations are not disclosed or suggested in either Callahan or Hartog (whether alone or in combination). The support for Claims 9 and 10, respectively, can be found at least in the disclosure in page 19, lines 12-15 and page 19, lines 15-18.

Independent Claim 11 is rejected for similar reasons as Claim 1. Claim 11 has been amended similar to Claim 1. Thus, Claim 11 should be allowable for at least the reasons previously given for Claim 1.

Claims 12-20 depend on Claim 11 and have been amended to be consistent with the amendment made to Claim 11. Thus, Claims 12-20 should be allowable for at least the reason of depending on an allowable base claim. In addition, Claims 12-20 are rejected for similar reasons as Claims 2-10. Accordingly, for example, amended Claims 16, 19 and 20 should be independently allowable for reasons similar to the reasons previously given for Claims 6, 9, and 10.

Independent Claim 21 is rejected for similar reasons as Claims 1 and 11. Claim 21 has been amended similarly to the amendments made to Claims 1 and 11, with the exception that the limitations on "a first computer" and "a second computer" have been replaced respectively by the more restricted limitations of "a server" and "a thin client." Independent Claim 21 now reads:

> a server configured to obtain image data and transmit clipped image data over a network;
>
> a receiver on a thin client configured to receive said clipped image data over said network, said receiver further configured to scale said clipped image data for display

(emphasis in underline added). Claim 21 should be allowable for at least the reasons previously given for Claims 1 and/or 11.

Claims 22-30 depend (directly or indirectly) on Claim 21 and should be allowable for at least the reason of depending on an allowable base claim. In addition, Claims 22-30 are rejected for similar reasons as Claims 2-10 and/or 12-20. Thus, for example, amended Claims 26, 29 and 30 should be independently allowable for reasons similar to the reasons previously given for Claims 6, 9, and 10 and/or Claims 16, 19, and 20.

Independent Claim 31 is rejected for similar reasons as Claim 21. Claim 31 has been amended similar to Claim 21. Thus, Claim 31 should be allowable for at least the reasons previously given for Claim 21.

Claim 32 has been amended to include all the limitations of amended Claim 1 with the additional limitation of "transmitting said clipped data via a computer network" (emphasis in underline added). Claim 33 has been amended to include all the limitations of amended Claim 11 with the additional limitation of "computer readable code configured to cause said first computer to transmit said clipped image data via a computer network" (emphasis in underline added). Claim 34 has been amended to include all the limitations of amended Claim 31 with the additional limitation of "means for transmitting said clipped image data via a computer network from a transmitter on a

server to a receiver on a thin client" (emphasis in underline added). Accordingly, Claims 32-34 should be allowable for at least the reason that each of these claims respectively includes all the limitations in amended Claims 1, 11 and 31.

New Claims 35-37 depend on Claim 1; new Claims 38-40 depend on Claim 11; new Claim 41 depends on Claim 21; and new Claims 42-43 depend on Claim 31. The limitations in these new claims are not disclosed or suggested in either Callahan or Hartog (whether alone or in combination). The support for these new claims can be found at least in the disclosure in page 11, line 15-page 12, line 12; page 16, lines 14-20; page 17, lines 1-17; page 19, lines 12-15; and Figs. 2 and 5.

In view of the foregoing, the Applicant respectfully submits that Claims 1-43 are in condition for allowance. Reconsideration and withdrawal of the rejections is respectfully requested, and a timely Notice of Allowability is solicited.

To the extent it would be helpful to placing this application in condition for allowance, the Applicant encourages the Examiner to contact the undersigned counsel and conduct a telephonic interview.

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned **"Version with markings to show changes made."**

Our check in the amount of $162.00 is enclosed for the later presentation of nine total claims in excess of twenty, pursuant to 37 C.F.R. § 1.16(c).

The Commissioner is authorized to charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account No. 50-0639.

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

Claims 1, 6; 9-21, 26, and 29-34 have been amended as follows:

1. (Amended) A method comprising:

obtaining image data on a first computer;

clipping said image data on said first computer to obtain clipped image data;

transmitting said clipped image data from a transmitter on said first computer to a receiver on a second computer; and

said receiver scaling said clipped image data for display.

6. (Amended) The method of Claim 3, wherein said image data comprises one or more subsampled chroma components, and wherein determining said nearest pixel further comprises:

determining a set of pixels that each comprise samples from said one or more subsampled chroma components;

determining said nearest pixel from said set of pixels.

9. (Amended) The method of Claim 7, wherein scaling comprises independently scaling up said plurality of regions of image data to fill respective regions of a display.

10. (Amended) The method of Claim 9, wherein independently scaling said plurality of regions of image data comprises applying independent scale factors that reduce scaling along a horizontal axis and increase scaling along a vertical axis.

11. (Amended) A computer program product comprising:

a computer usable medium having computer readable code embodied therein for processing image data, said computer program product comprising:

computer readable code configured to cause a first computer to obtain image data;

computer readable code configured to cause [a] said first computer to clip said image data to obtain clipped image data;

computer readable code configured to cause [a] said first computer to transmit said clipped image data to a receiver on a second computer; and

computer readable code configured to cause said receiver to scale said clipped image data for display.

12. (Amended) The computer program product of Claim 11, wherein said computer readable code configured to cause [a] said first computer to clip said image data further comprises:

computer readable code configured to cause [a] said first computer to obtain a clip-list specifying at least one clipping region; and

computer readable code configured to cause [a] said first computer to map said at least one clipping region to said image data to determine said clipped image data.

13. (Amended) The computer program product of Claim 12, wherein said computer readable code configured to cause [a] said first computer to map comprises:

computer readable code configured to cause [a] said first computer to determine a nearest pixel in said image data to a location in said at least one clipping region.

14. (Amended) The computer program product of Claim 13, wherein said computer readable code configured to cause [a] said first computer to determine a nearest pixel determines a Euclidean distance.

15. (Amended) The computer program product of Claim 13, wherein said clipping region comprises a rectangle and said location comprises a corner of said rectangle.

16. (Amended) The computer program product of Claim 13, wherein said image data comprises one or more subsampled chroma components, and wherein said computer readable code configured to cause [a] said first computer to determine said nearest pixel further comprises:

computer readable code configured to cause [a] said first computer to determine a set of pixels that each comprise samples from said one or more subsampled chroma components;

computer readable code configured to cause [a] said first computer to determine said nearest pixel from said set of pixels.

17. (Amended) The computer program product of Claim 12, wherein said at least one clipping region comprises a plurality of clipping regions, and wherein said computer readable code configured to cause [a] said first computer to map comprises computer readable code configured to cause [a] said first computer to map said plurality of clipping regions to a plurality of regions of image data.

18. (Amended) The computer program product of Claim 17, wherein said computer readable code configured to cause [a] said first computer to transmit comprises computer readable code configured to cause [a] said first computer to individually transmit said plurality of regions of image data.

19. (Amended) The computer program product of Claim 17, wherein said computer readable code configured to cause [a] said receiver to scale comprises computer readable code configured to cause [a] said receiver to independently scale up said plurality of regions of image data to fill respective regions of a display.

20. (Amended) The computer program product of Claim 19, wherein said computer readable code configured to cause [a] said receiver to independently scale said plurality of regions of image data comprises computer readable code configured to cause [a] said receiver to apply independent scale factors that reduce scaling along a horizontal axis and increase scaling along a vertical axis.

21. (Amended) An apparatus comprising:

a server configured to obtain image data and transmit clipped image data over a network;

a receiver on a thin client configured to receive said clipped image data over said network, said receiver further configured to scale said clipped image data for display.

26. (Amended) The apparatus of Claim 23, wherein said image data comprises at least one subsampled chroma component, and said server is configured to determine said nearest pixel from a set of pixels that each comprise samples from said at least one subsampled chroma component.

29. (Amended) The apparatus of Claim 27, wherein said receiver is configured to independently scale up said plurality of regions of image data to fill respective regions of a display.

30. (Amended) The apparatus of Claim 29, wherein said receiver is configured to apply independent scale factors to said regions of image data and wherein said scale factors reduce scaling along a horizontal axis and increase scaling along a vertical axis.

31. (Amended) An apparatus comprising;

means for obtaining image data;

means for clipping said image data to obtain clipped image data;

means for transmitting said clipped image data from a transmitter on a server to a receiver on a thin client; and

means, at said receiver, for scaling said clipped image data for display.

32. (Amended) A method comprising:

obtaining image data on a first computer;

clipping said image data on said first computer to obtain clipped image data;

transmitting said clipped image data via a computer network from a transmitter on said first computer to a receiver on a second computer; and

scaling said clipped image data for display with said receiver.

33. (Amended) A computer program product comprising:

a computer usable medium having computer readable code embodied therein for processing image data, said computer program product comprising:

computer readable code configured to cause a first computer to obtain image data;

computer readable code configured to cause [a] said first computer to clip said image data to obtain clipped image data;

computer readable code configured to cause [a] said first computer to transmit said clipped image data via a computer network to a receiver on a second computer; and

computer readable code configured to cause said receiver to scale said clipped image data for display.

34. (Amended) An apparatus comprising;

means for obtaining image data;

means for clipping said image data to obtain clipped image data;

means for transmitting said clipped image data via a computer network from a transmitter on a server to a receiver on a thin client; and

means, at said receiver, for scaling said clipped image data for display.

35. (New) The method of Claim 1, wherein said first computer is a server and wherein said second computer is a thin client.

36. (New) The method of Claim 1, wherein said clipped image data are transmitted via a shared network.

37. (New) The method of Claim 36, wherein said shared network is a low bandwidth network.

38. (New) The computer program product of Claim 11, wherein said first computer is a server and wherein said second computer is a thin client.

39. (New) The computer program product of Claim 11, wherein said clipped image data are transmitted via a shared network.

40. (New) The computer program product of Claim 39, wherein said shared network is a low bandwidth network.

41. (New) The apparatus of Claim 21, wherein said network is a shared, low bandwidth network.

42. (New) The apparatus of Claim 31, wherein transmitting mean is a shared network.

43. (New) The apparatus of Claim 42, wherein said shared network is a low bandwidth network.